BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARYANAPURA DIVISION, KODIGEHALLI SUB DIVISION

Name of the work : **Improvements of Roads and Drains in 1st main road & 2nd main road UAS layout and in jakkur ward no .07 of byatarayanapura Kodigehalli sub division.**

Estimate cost Rs. 50.00 lakhs

Job code no. 007-14-000116

P code P2363

Scanned by CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work : Detailed Estimate for the Improvements of Roads and Drains in 1st main road & 2nd main road UAS layout and in jakkur ward no .07 of byatarayanapura Kodigehalli sub division

							Estimate cost		5000000
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB M300-2 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.MORTH Chapter 3.						cum		
	.(P.NO.149,I.NO.19.1 of								
	For drains								
	Jakkur layout to UAS layout main road (shoba apartment)	cum	2	800.00	0.60	0.30	288.00		
			2	350.00	0.60	0.30	126.00		
			1	30.00	1.00	0.75	22.50		
	For Burm cutting								
			2	400.00	1.00	0.15	120.00		
			2	350.00	1.00	0.10	70.00		
							626.50	65.88	41274.00
	Basic Rate Rs	61.00							
	add 8% A.W Rs	4.88							
	Total Rate Rs	65.88							
2	KSRRB 2900-4.1: Providing and laying in position plain **cement concrete mix 1:4:8** with stone aggregate 40mm and down size in foundation upto a depth of 2m below ground level and upto a height of 1.5m above ground level / bed level machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, cost of all materials, labour, HOM of machineries, curing complete as per specifications. **(Page.12 & Item No. 4.3)**								
	Drain		1	30.00	0.90	0.15	4.05		
							4.05	**4290.84**	**17377.90**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	4290.84							
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
	for drain		4	30.00		0.75	90.00		
							90.00	**199.80**	**17982.00**
	Basic Rate	185.00							
	Area Weightage @ 8%	14.80							
	Total	199.80							
4	Providing and laying cement concreate using 20mm and down size granite jelly of ready mix concreate of RCC mix laid in 15 cm thick layers and well compacted including vibrating curing etc ., including smooth finish in CM 1:3 , with all lead and lift etc., complete (exclusive of cost of steel , fabrification and plastering charges) Ready mixed cement concreate for beams columns ,staircase and roof p no. 19 item no. 4.49)						cum		
		cum	2	30.00	0.125	0.75	5.63		
							5.63	6468.12	36383.00
	Basic Rate Rs	5989.00							
	Area Weightage @ 8%	479.12							

Scanned by CamScanner

		Total	6468.12							
	KSRB 4.9.2 : Providing **T.M.T. Steel reinforcement for R.C.C.** work including straightening, cutting, bending, hooking , placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. **(Page No. 16 & Item No. 4.46)**									
	0.80/cum			(Qty. vide Item No. 5)				4.50	7380.72	33213.24
	Basic Rate	6834.00								
	Area Weightage @ 8%	546.72								
	Total	7380.72								
6	KSSRB M300-52.1. Scarifiying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 meters completeas per specification . North specification No . 305.4.3(p-159),Item no. 19.58									
	road (shoba apartment)	Sqm	1	800.00	9.00			7200.00		
			1	350.00	6.50			2275.00		
	Basic rate	15.25						9475.00	16.47	156053.00
	Area Weightage @ 8%	1.22								
	Total	16.47								
7	KSSRB 300-58 Compaction of orginal ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depprecion occuring during rolling including cost of all labour ,HOM of machinery complete as per specifications.(P160Item No. 19.64SR 2013-14									
	Jakkur layout to UAS layout main road (shoba apartment)	Sqm	1	800.00	9.00			7200.00		
			1	350.00	6.50			2275.00		
								9475.00	3.94	37332.00
	Basic Rate Rs	3.65								
	Area Weightage @ 8%	0.29								
	Total	3.94								
8	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base /base course on well prepared surface and compacting with vibratory rolle to achieve the desired density complete as per specifications. (Page No. 170 & 20.18)									
		cum								
	Jakkur layout to UAS layout main road (shoba apartment) cut portation of road		1	800.00	1.15	0.30		276.00		
			1	350.00	6.50	0.20		455.00		
								731.00	1121.04	819480.00
	Basic Rate Rs	1038								
	add 8% A.W Rs	83.04								
	Total Rate Rs	1121.04								
9	KSRRB 500-6 : Providing and applying primer coat bitumen emulsion of prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg/ sqm using MORTH specifications. **(Page No. 175 & Item No. 21.6).**							sqm		
	UAS layout 1st main		1	800.00	9.00			7200.00		
			1	350.00	6.50			2275.00		
								9475.00	44.28	419553.00
	Basic Rate Rs	41.00								
	add 8% A.W Rs	3.28								
	Total Rate Rs	44.28								

Scanned by CamScanner

	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor conrol to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects complete as per specifications. 25-30 mm compacted thickness with 5% bitumen 60/70 grade using 40-60HMP (Grading II) (Page no. 178 item no. 21.20.4)						cum		
	UAS layout 1st main		1	800.00	9.00	0.030	216.00		
			1	350.00	6.50	0.030	68.25		
							284.25	9981.36	**2837202.00**
	Basic Rate Rs	9242		ADMINISTRATIVELY SANCTIONED FOR Rs 50.00 Lakhs					
	add 8% A.W Rs	739.36		Rupees fifty lakhs only					
	Total Rate Rs	9981.36							
11	Lead of dispoal of debris, shall be payable at charge rates by mechanical means including loading and unploding from 0.00to5.00km (page No.141)							cum	
	Basic rate for haulage of materials as per item no 17.4 page 141								
	Average weight of earth 1.28		QTY VIDE ITEM NO 1				626.50	72.71	45553.00
	Basic Tate Lead charges upto 2.00 kms	62.2							
	2x1.28x2= 5.12								
	loading and unloading 67.32								
	Average weight of earth 1.28 tone/kg for 6x1:20x2=12	5.39							
		72.71							
12	KRIDL CHARGES 11%								4461403.14
13	Third party inspections charges 1%								490754
14	Miscelleneous & Rounding off								44614
									3228
							Totals RS		**5000000**
				(Rupees : Fifty Lakhs only)					

Technical Sanction No: Rs fifty lakhs only for 50.00 lakh is accorded under head. Rs P2363

Subject to Conditions contained in enclosed memo No. 19/14-15 Dt: 26.06.14

AE/JE TA SE (BTP) CE (BTP)

enclosed memo CE ( ) No. Estim Addl Cur (Yr) A/S 987/14-15 dated 20-6-2014 Rs 50.00 lakhs

CERNo: 19 DT: 26-06-14

19/14-15

Addl Commissioner (Yelahanka Zone) BBMP, Bengaluru-92

CERTIFICATE

1 . The work spot has been inspected me and the work is found to be necessary.
2. The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2013-14
3. The provisions made in the estimate are quite necessary and adequate
4. The area comes with in the BBMP limits

Junior Engineer
ward No 7

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP, Bangalore.

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

20/6/2014

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore

Scanned by CamScanner